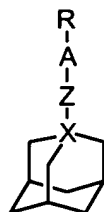


This listing of claims will replace all prior versions, listing, of all claims in the application:

What is claimed is:

1. (Amended) A method for inducing CD81 dependent antiproliferation in a human or veterinary patient, said method comprising the step of:

(A) administering to the patient a therapeutically effective amount of an amantadine analogue having the formula:



wherein,

X is Boron or Carbon;

A is NH and NHR₁, where R₁ is H, alkyl or imino-alkyl amino;

Z is a acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbaryl group with from 1 to 10 carbon atoms, C=O, SO₂, or absent;
and

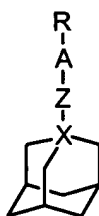
R is an acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 20 carbon atoms and $[[B]]-CH-R_2R_3-CHR_2R_3$, wherein R_2 is selected from aryl, substituted aryl, heteroaryl, substituted heteroaryl, $(CH_2)_n-Q$, where n is 1-4 and Q is BSH, $-OH$, $-NH_2$, $-NH-CO-NH_2$, $-NH-C=(NR_4)NHR_5$, $-COOH$ and its alkyl esters, and $-CONH_2$ and R_4 and R_5 are H, C1-4 alkyl or R_4 and R_5 may combine to form a cyclic ring, R_2 and A may combine to form a cyclic ring; R_3 is carboxyl, its alkyl esters, carboxamide or substituted carboxamide, sulfonic acid, sulfonate esters, sulfonamide, substituted sulfonamide, phosphonic and phosphoric acids and their alkyl esters.

2. (Original) A method according to No. 1 wherein the method is carried out to prevent or treat Hepatitis C.

3. (Amended) A composition of matter having the formula:

A method for inducing CD81 dependent antiproliferation in a human or veterinary patient, said method comprising the step of:

(A) administering to the patient a therapeutically effective amount of an amantadine analogue having the formula:



wherein,

X is Boron or Carbon;

A is NH and NHR_1 , where R_1 is H, alkyl or imino-alkyl amino;

Z is a acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 10 carbon atoms, $C=O$, SO_2 , or absent; and R

is an acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 20 carbon atoms and $[[B]]_n-CH-R_2R_3$, wherein R_2 is selected from aryl, substituted aryl, heteroaryl, substituted heteroaryl, $(CH_2)_n-Q$, where n is 1-4 and Q is BSH, $-OH$, $-NH_2$, $-NH-CO-NH_2$, $-NH-C(=NR_4)NHR_5$, $-COOH$ and its alkyl esters, and $-CONH_2$ and R_4 and R_5 are H, C1-4 alkyl or R_4 and R_5 may combine to form a cyclic ring, R_2 and A may combine to form a cyclic ring; R_3 is carboxyl, its alkyl esters, carboxamide or substituted carboxamide, sulfonic acid, sulfonate esters, sulfonamide, substituted sulfonamide, phosphonic and phosphoric acids and their alkyl esters.